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No. 46] NEW DELHI, SATURDAY, NOVEMBER 16, 1996 (KARTIKA 25, 1918)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा अम्बार्ड, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडनी हस्टेट,
तीसरा तल, लांजर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोआ राज्य क्षेत्र एवं संघ शासित क्षेत्र, वसन तथा दीव एवं दादर और नागर हवेली ।

तार पता—“पेटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, कर्नाल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ शासित क्षेत्र चण्डीगढ़ ।

तार पता—“पेटेंटोफिक”

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dated shown in the crecent bracket are the dated claimed under section 135, of the Patent Act, 1970.

16-8-1996

1461/Cal/96 Arzneimittelwerk Dresden GmbH. “Novel Imidazoline 2, 4-diones having an iconvulsive activity which contain an ortho substituted ar-(alk)yl radical in the 1-position, and processe for their preparation.”

1462/Cal/96 Arzneimittelwerk Dresden GmbH. “Novel-Ar (Alk)-ylimidazolin-2-on-s having anticonvulsive activity, which contain a disubstituted radical in the 4-position and processes for their preparation”. (Convention No. 19532668.7 on 5th September, 1995 in Germany).

1463/Cal/96 Merck Patent Gesellschaft Mit Beschränkter Haftung. “Alkenyl-benzoylanidine derivatives”. (Convention No. 19531138.8 on 24th August, 1995 in Germany).

1464/Cal/96 Socom International Corp., “Digital Audio cartridge”.

पेटेंट कार्यालय शाखा,
61, बालासाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र लक्षद्वीप मिनीकाय तथा एमिनीविधि द्वीप ।

तार पता—“पेटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी अथवा उपयुक्त कार्यालय में नियन्त्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियन्त्रक को भुगतान योग्य बैंक रूपत अथवा चेक द्वारा की जा सकती है ।

1465/Cal/96 General Electric Company. “A method and apparatus for making packets of amorphous steel strip for transformer core manufacture.” (Divided out of Application No. 135/Cal/93 antdated to 5-3-96).

1466/Cal/96 Walker-Estes Corporation. “Process for dynamically configuring a logical architecture for using a digital computing device and for control-line fundamental operations”. (Divided out of Application No. 948/Cal/91 antdated to 24-12-1991).

1467/Cal/96 LG Electronics Inc. “Noise-reducing apparatus for linear compressor”. (Convention No. 25666/95 on 21-8-95 in Republic of Korea).

19-8-1996

1468/Cal/96 Dr. Sudhir Kumar Jain. “Wound Care Device”.

1469/Cal/96 ABB Air Preheater, Inc., “Temperature control system for a heat detector as a heat exchanger (Divided out of Appln. No. 738/Cal/92 antdated to 12-10-92).

1470/Del/96 Madan Mohan Telikicherla. “A lower prosthetic assembly with removable dres (Divided out of Appln. No. 286/Cal/92 ant to. 27-4-92).

1471/Cal/96 Siemens Aktiengesellschaft, "Stator for an electrical machine, and a method for impregnation and insulation of the stator of an electrical machine". (Convention No. 19530672.4 on 21-8-95 in Germany).

1472/Cal/96 Siemens Aktiengesellschaft, "Method of and arrangement for cooling a low-pressure turbine section". (Convention No. 19532199.5 on 31-8-95 in Germany).

1473/Cal/96 Siemens Aktiengesellschaft, "Chip card". (Convention No. 19531372.0 on 25-8-95 in Germany).

1474/Cal/96 Barth-TeX Instruments and Software GmbH & Co. "Tension Device". (Convention No. 19531579.0 on 28-8-95 in Germany).

1475/Cal/96 Owens Corning. "Water blocking optical cable reinforcement". (Convention No. 08/519,038 on 24-8-95 in U.S.A.).

1476/Cal/96 Motan Holding GmbH, "Device with at least one storage container for material to be treated, preferably plastic material granules". (Convention No. 19531446.8 on 26-8-95 in Germany).

1477/Cal/96 E.I. Du Pont De Nemours and Company, "Permeation-resistant tile composition and coatings".

20-8-1996

1478/Cal/96 Matsushita Electric Industrial Co., Ltd., "A microwave mixing circuit". (Convention No. 7-211969 on 21-8-1995 & 8-45741 on 4-3-1996 in Germany).

1479/Cal/96 Cytec Technology Corp., "Synthetic cationic polymers as promoters for as a sizing". (Convention No. 60/003,274 & 60/003,273 on 25th August, 1995).

1480/Cal/96 Merck Patent Gesellschaft Mit Beschränkter Haftung, "Piperidinylmethyloxazolidinones". (Convention No. 19531321.6 on 25-8-1995 in Germany).

1481/Cal/96 Merck Patent Gesellschaft Mit Beschränkter Haftung, "N Methyl-N- (1S)-1-Phenyl-2-(3S)-3-Hydroxypropylidene-1-yl) Ethyl-2,2-diphenyl-acetamide". (Convention No. 19531464.6 on 26th August, 1995 in Germany).

1482/Cal/96 Schock & Co. GmbH, "Integral, Board-like component and process for its production". (Convention No. 19535158.4 on 22nd September, 1995 in Germany).

1483/Cal/96 Krone Aktiengesellschaft, "Distribution block for the telecommunication and data technique". (Convention No. 19537529.7, 29515983.9 & 29515984.7 on 29th September, 1995 in Germany).

1484/Cal/96 Coronet-Werke GmbH, "Tooth-Brush". (Convention No. 19533144.3 on 8th September, 1995 in Germany).

1485/Cal/96 Rexam Australia Pty. Limited, "Easy-opening envelopes". (Convention No. PN 5162 on 31st August, 1995 in Australia).

1486/Cal/96 Teikoku Seiyaku Kabushiki Kaisha, "A viral Agglutination test agent and a virus test kit". (Convention No. 7-212221 on 21st August, 1995 in Japan).

1487/Cal/96 Orthoscopic Technologies Inc., "Method and apparatus for improved three dimensional photography".

COMPLETE SPECIFICATIONS ACCEPTED

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्धित आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अगुम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निधन्यक, एकत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिये।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ यदि कोई हों, के साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की आवेदित पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (किसी प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

Cl.: 9D + 12C + 48A₈ + 129 G 177101

Int. Cl.: H 01 P 3/08

C 21 D 1/00, 9/46, 9/52.

C 22 C 38/00, 38/06.

B 21 C 37/02, 37/04.

"NON-ORIENTED ELECTRICAL STRIP AND PROCESS FOR ITS PRODUCTION".

Applicant: EBG GESELLSCHAFT FÜR ELEKTRO-MAGNETISCHE WERKSTOFFE mbH OF CASTROPER STRASSE 228 4630 BOCHUM 1 FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) HARRY WICH
(2) GERT LEHMANN
(3) WOLFGANG LINDNER
(4) ROLF BURGER
(5) JOCHEN WIETING.

Application No. 1006/Cal/1990 filed on 3rd December, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

17 Claims

A process for the production of non-oriented electrical strip having high proportions of cube or cube on face texture, a polarization of $J\ 2500 > 1.7\ T$ and a low core loss, consisting of a steel having

0.025% C,

0.10% Mn,

0.1 to 4.4% Si,

0.1 to 4.4% Al, on condition that the following relations are met:

(%Si) + 2 (%Al) 1.6% and

(%Si) + (%Al) 4.5%.

balance iron including unavoidable impurities, namely phosphorus and sulphur,

characterized in that the steel is hot rolled in a manner to thickness not lower than 3.5 mm, whereafter the resulting hot rolled strip is cold rolled with a degree of reduction of at least 86% without intermediate recrystallization annealing and the cold rolled strip is annealed in a known manner.

(Compln. Specn.: 16 pages;

Drgns. Nil.)

Cl.: 172 D 8 4 2

177102

Int. Cl.: D 01 H 7/04, 7/08.

"A SPINNING OR TWISTING SPINDLE".

Applicant: (1) FRITZ STAHLCKER OF JOSEF-NEIDHART-STRASSE 18 7347 BAD UBERKINGEN, FEDERAL REPUBLIC OF GERMANY.

(2) HANS STAHLCKER OF HALDENSTRASSE 20 7334 SUSSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) HANS BRAXMEIER
(2) GERD STAHLCKER.

Application No. 34/Cal/1991 filed on 11th January, 91.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims

A spinning or twisting spindle having a spindle shaft which by means of a bolster and a step bearing is disposed inside a spindle bearing housing which below the step bearing is

held by means of a connecting element on an outer housing surrounding the spindle bearing housing at a distance and being provided with devices for a fastening to a spindle rail, the connecting element being provided with a diminished cross-section which defines an area which is spring-elastically flexible when being bent, characterised in that the diminished cross-section is constructed as a discontinuity point 11 which limits the transmission of structure-borne sound and which, with respect to the flexural strength in the case of a radial load at the bolster has a spring rate of 70N/mm, and in that a medium with a sound velocity of less than 500 m/s is present in the space 21 between the spindle bearing housing 3 and the outer housing 14 which is separated from the interior of the spindle bearing housing 3.

(Compl. Specn. 10 pages;

Drgn. 1 sheet.)

Cl.: 172 C 49 D 4

177103

Int. Cl.: D 01 H 5/00, 5/32, 5/44

A SPINNING MACHINE SYSTEM HAVING AT LEAST ONE RING SPINNING MACHINE AND A PROCESS FOR SPINNING FIBER MATERIAL ON SAID MACHINE SYSTEM.

Applicant: SPINDELFABRIK SUSSEN, SCHURR, STAHLCKER & GRILL GMBH., OF DAMMSTRASSE 1, 7334 SUSSEN, FRG.

Inventors: (1) FRITZ STAHLCKER (2) HANS STAHLCKER (3) DR. NORBERT BRUNK.

Application No. 521/Cal/1991 filed on 9th July 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

7 Claims

A spinning machine system having at least one ring spinning machine which has a plurality of spinning stations which each comprises a drafting unit which drafts a sliver fed in cans to the desired yarn size, characterized in that at least two drafting passages 1, 2 are provided for the drafting of the slivers 5, 6, 7; 5, 206, 7; 5, 306, 7 to sizes of from Nm 0.3 to Nm 0.8, and in that the drafting units are constructed as three-cylinder drafting units 10 with maximally 200-fold drafting.

Compl. Specn. 12 Pages

Drgns. 3 sheets

Cl.: 136 B

177104

Int. Cl.: B 29 D 23/22

HEAT SHRINKABLE PLASTIC HOSE AND METHOD FOR MANUFACTURING.

Applicant: RXS SCHRUMPFTECHNIK-GRANITUREN GMBH, OF PROFILSTR. 4, 5800 HAGEN 1, GERMANY.

Inventors: (1) DETLEF GRAEFE (2) DIETER SAGEMUEHL.

Application No. 703/Cal/1991 filed on 17th September, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

22 Claims

A method for continuously manufacturing a heat-shrinkable plastic hose having heat-shrinkable threads, said method consisting of the following steps: extruding a basic hose element of plastic material from a first extruder:

stretching at least one heat-shrinkable thread to form at least one pre-stretched thread;

helically continuously winding said at least one prestretched thread onto said basic hose element, thus continuously forming a heat-shrinkable wound basic hose element having a shape memory;

continuously extruding a cover hose of plastic material from a second extruder onto said heat-shrinkable wound basic hose element, thus continuously forming a finished shrinkable hose having a radical shrink-factor of 5 through 10 and cross linking said shrinkable hose.

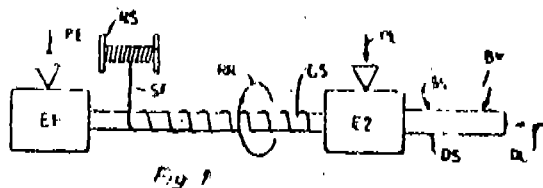


Fig. 1

Compl. Specn 12 pages

Drgns. 2 sheets

Cl.: 194 C 1

177105

Int. Cl.: H 01 J 29/02, 29/54

A SCREEN ELECTRODE STRUCTURE FOR AN IN-LINE TYPE ELECTRON GUN OF A COLOR CATHODE RAY TUBE.

Applicant: SAMSUNG ELECTRON DEVICES CO. LTD., OF 575, SIN-RI TAEAN-EUB, Hwasung-Kun, KYUNGGI-DO, REPUBLIC OF KOREA.

Inventor: INJAE JUNG.

Application No. 885/Cal/1991 filed on 27th November, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

3 Claims

A screen electrode structure comprising alignable main and auxiliary electrodes for an in-line type electron gun of a color cathode ray tube, said structure comprising:

a main electrode provided with three circular beam passing holes and a pair of guide holes for insertion in arbors of a jig, said guide holes being disposed symmetrically on opposite sides of the central one of said beam passing holes in said main electrode; and

an auxiliary electrode provided with three elongated beam passing holes and a pair of guide slots for insertion in the arbors of the jig, said guide slots being formed in a top edge and a bottom edge of said auxiliary electrode and coaxially aligned with said guide holes in said main electrode, thereby enabling easy centering of the main and auxiliary electrodes.

FIG. 1

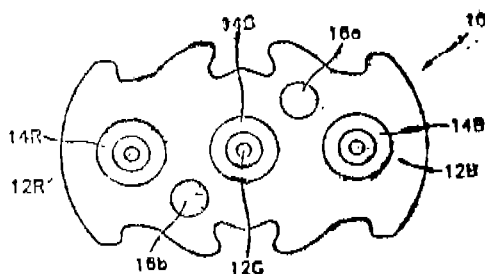
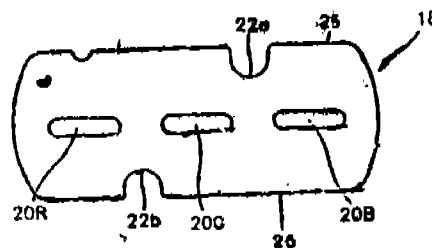


FIG. 2



Compl. Specn. 14 pages

Drgns. 4 sheets

Cl.: 32 F 2

177106

Int. Cl.: C 07 C 101/68

PROCESS FOR THE PREPARATION OF 2, 5-DI-PHENYLAMINO-TEREPHTHALIC ACID DI-ALKYL (C-C₃) ESTERS.

Applicant: HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

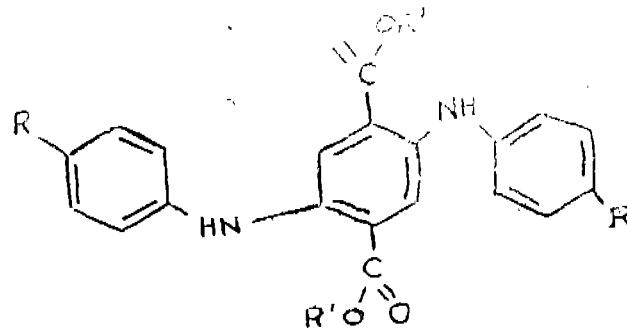
Inventors: (1) OTTO ARNDT (2) HERMANN FUCHS (3) WALTER GILB.

Application No. 823/Cal/1991 filed on 1st November 1991.

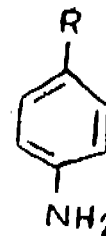
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

2 Claims

1. A process for the preparation of 2, 5-di-phenylamino-terephthalic acid di-alkyl (C-C₃) esters, of the formula (1)



in which R is a hydrogen atom or a methyl group R' is a methyl or ethyl group, by (1) reaction of a succinic acid di-alkyl (C-C₃) ester by a Dieckmann condensation with a sodium alcoholate in xylene to give the di-sodium salt of the 2-5-dihydroxy-cyclohexadiene-1, 4-dicarboxylic acid di-alkyl (C-C₃) ester, (2) reaction of the condensation product thus obtained, after decomposition of the di-sodium salt with an acid, with a phenylamine of the formula (2)



in which R has the meaning as mentioned herein before, in the presence of an organic acid in xylene to give the 2, 5-di-phenylamino-3, 6-dihydro-terephthalic acid di-alkyl (C₁-C₂) ester, carrying out the dehydrogenation (oxidation) of the resulting ester with 100% pure oxygen in a closed apparatus in the presence of a catalyst of V4A steel such as herein described and/or in the presence of molybdenum, vanadium, samarium, MoO₃, MoCl₅, vanadium (IV) oxide-acetylacetonate or Sm₂O₃ or a mixture thereof, the oxygen content of the gas atmosphere above the reaction mixture being kept constant at below 8 percent by volume, immediately isolating the resulting 2, 5-di-phenylamino-terephthalic acid di-alkyl (C₁-C₂) ester from the aqueous medium by filtration, and subsequently purifying the di-alkyl (C₁-C₂) ester immediately isolated by blowing out with stream on the suction filter and subsequently washing with methanol or ethanol.

Compl. Specn 28 pages

Drgn. Nil

Cl: 55 F

177107

Int. Cl.⁴: H 61 K 35/00

A PROCESS FOR PREPARATION OF A COMPOSITION WITH ESSENTIALLY JUICE OF ALKANET AND MUSTARD OIL.

Applicant & Inventor: PARESHNATH PAL, OF 4/1 DR. AKSHOY PAL ROAD, CALCUTTA-700 034, WEST BENGAL, INDIA.

Application No. 112/Cal/1993 filed on 22nd February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

5 Claims

A process for the preparation of a composition comprising essentially juice of alkanet root and/or wood and mustard oil, said process comprising the following steps:

(a) subjecting mustard oil in an amount depending upon the amount or percentage by weight (b/w) of alkanet root and/or wood and heating the oil in the temperature range of 80—130°C:

(b) adding to said heated oil alkanet root and/or wood in an amount of 7—14% b/w of said mustard oil and continue heating for about 10—15 minutes;

(c) cooling the above heated mix of mustard oil and alkanet root and/or wood to room temperature; and

(d) filtering said cooled mix so as to separate the alkanet root and/or wood remnants and the desired composition is obtained in flowable form.

Compl. Specn. 16 pages

Drgn. Nil

Cl: 39 E

177108

Int. Cl.⁴: B 01 J 23/00, 23/04, 23/44, 23/52.

A PROCESS FOR THE PREPARATION OF A SUPPORTED CATALYST.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) PETER WIRTZ (2) FRIEDRICH WUNDER (3) KARL-FRED WORNER.

Application No. 177/Cal/1993, filed on 26th March 1993

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

7 Claims

A process for the preparation of a supported catalyst containing palladium, potassium and another metal selected from cadmium, barium and gold, which comprises dissolving salts of said metals in a suitable solvent, atomizing the solution by ultrasonics, impregnating the carrier material once or repeatedly with the atomized solution and drying it after each impregnation, the solution volume for each impregnation being 5 to 80% of the pore volume of the carrier material and the duration of each impregnation and the time up to the beginning of the drying which follows this impregnation being chosen to be so short that after the end of the final drying, a coat of 5 to 80% of the volume of the carrier particles contains the stated salts.

Compl. Specn. 18 pages

Drgn. Nil

Cl: 32 F²(b), 55 E

177109

Int. Cl.⁴: A 61 K 31/545

C 07 D 501/06

AN IMPROVED ENZYMATIC METHOD FOR PREPARING CEPHALOSPORINS.

Applicant: ELI LILLY AND COMPANY, OF LILLY CORPORATE CENTER, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventor: JOHN PAUL GARDNER.

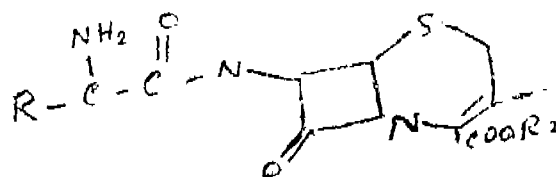
Application No. 1045/Cal/94 filed on 15th December 1994.

(Divided out of No. 231/Cal/93 Anti-dated to 21st April, 1993).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

5 Claims

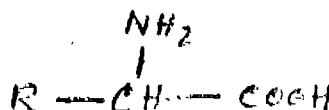
A method for preparing cephalosporins of formula (I):



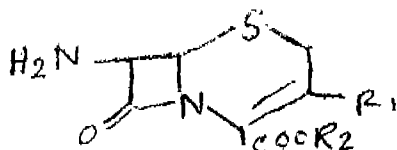
wherein R is a five- or six-membered hydrocarbon ring that may be substituted or R is a five-membered heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen or sulphur which heterocycle may be substituted;

R₁ is a hydrogen atom, a halogen atom, a methoxy, a methyl or a methylene which is bonded to an organic radical directly or via an oxygen, sulphur or nitrogen atom, wherein the radical is an alkoxy, an alkoxy-carbonyl or a five- or six-membered heterocyclic group which may be substituted, said heterocyclic group containing one to four heteroatoms selected from O, S and N; and

R₂ is hydrogen or a carboxy-protecting group: comprising reacting a reactive derivative of an X-substituted x-amino acid of formula (II):



wherein the hydroxy of the carboxylic moiety has been substituted with an organic group with a cephalosporin substrate of formula (II) :



in the presence of an effective amount of an immobilized penicillin acylase enzyme, and allowing said reaction pH to remain ambient.

Compl. Specn. 28 pages

Drgn. Nil

Cl: 6 A2 B2
36 A2 B2

177110

Int. Cl.: F 15 C 3/00, 3/02
F 04 F 5/00, 5/18

APPARATUS FOR REGULATING THE OPERATION OF A COMPRESSOR SYSTEM.

Applicant: ELLIOTT TURBOMACHINERY CO. INC., OF NORTH FOURTH STREET, JEANNETTE PENNSYLVANIA 15644, UNITED STATES OF AMERICA.

Inventor: BRUCE GEORGE HECKEL.

Application No. 550/Cal/1992 filed on 3rd August 1992.

(Divided out of Appln. No. 343/Cal/1990 Anti-dated to 25-4-1990).

Appropriate Office for filing the Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims

An apparatus for regulating the operation of a compressor system including a compressor (22) moving a gas from an intake conduit (14) through a discharge conduit (6) to a gas storage reservoir (8), an inlet valve (18) in said intake conduit (4), an unload conduit (22) connected to said discharge conduit (6), an unload valve (24) in said unload conduit (22), means (30) for detecting the discharge pressure of said compressor (2), means (34) for detecting the flow rate of gas from said compressor (2) and means (32) for detecting the system pressure in said reservoir (8), said apparatus comprising:

(a) means (20, 26, 28) for initially fully closing the unload valve (24) and fully opening the inlet valve (18);

(b) means (20, 28) for closing the inlet valve (18) by an amount necessary to maintain the discharge pressure at a constant design pressure level and to maintain the gas flow rate at a constant design flow level;

(c) means (28, 30) for detecting when said discharge pressure reaches a first pressure level set higher than said design pressure level;

(d) means (20, 26, 28) for maintaining the inlet valve (18) in its last position and opening the unload valve (24) by an amount necessary to maintain the discharge pressure below said first pressure level as the gas flow rate drops below said design flow level;

(e) means (26, 28) for monitoring the position of the unload valve (24) and measuring the period of time that the unload valve (24) remains beyond a predetermined position set point;

(f) means (20, 26, 28) for fully opening the unload valve (24) and fully closing the inlet valve (18) if the unload valve (24) remains open beyond the position set point for longer than a first predetermined period of time;

(g) means (28, 32) for monitoring the system pressure and comparing said system pressure with a second pressure level lower than said design pressure level; and

(h) means (28, 32) for detecting if the system pressure drops below said second pressure level.

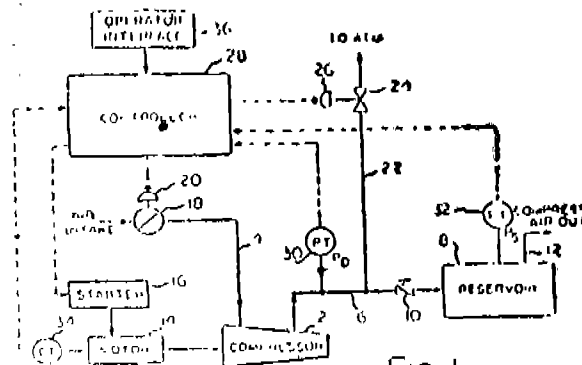


Fig. 1

Compl. Specn. 21 pages

Drgns. 4 sheets

Ind. Cl.: 85 J, 126 D

177111

Int. Cl.: B 01 D 50/00

AN IMPROVED SMOKEMETER FOR MEASUREMENT OF SMOKE DENSITY OF EXHAUST GASES OF I.C. ENGINES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001.

Inventors: NISHAN SINGH, JASBIR SINGH, DARSHAN LAL KAPOOR.

Application for Patent No. 123/Del/90 filed on 13-2-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

2 Claims

An improved smokemeter for measurement of smoke density of exhaust gases of I.C. engines which comprises a spring loaded clamping mechanism (1 & 2) for clamping the device on exhaust pipe of an engine, a spring loaded holder (6, 8, 9, 10 & 11) being connected to the said clamping mechanism for holding filter paper, a light weight non-magnetic flap shutter (12) characterised in that the flap shutter (12) being provided with return spring (23) and a ball bearing (20) to a bracket (13), the said bracket (13) being connected to the said clamping mechanism, the said flap shutter (12) being connected to the iron core (16) of an electromagnet (17) being provided on the said bracket (13) and connected to a known electronic timer/actuator (18) being energised through switch (21) by battery (19) to operate the flap shutter (12) mechanism to expose a desired area of the filter paper to exhaust gases.

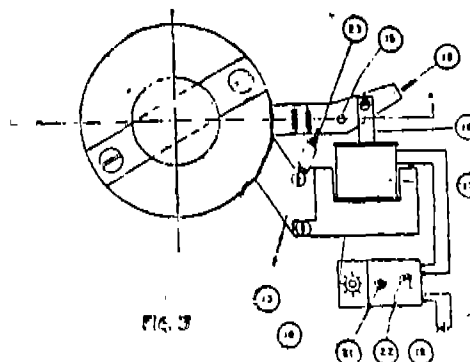


Fig. 3

Compl. Specn. 11 pages

Drgns. 2 sheets

Ind. Cl. : 116 C

177112

Int. Cl. : B 65 G 17/00, 17/26

FEEDER CHAIN.

Applicant : KABELSCHLEPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF MARIENBORNS-TRASSE 75, 5900 SIEGEN 1, WEST GERMANY.

Inventor : HERBERT WEHLER, WERNER MORITZ, VOLKER JUD, PAUL-WERNER MACK, WILLIBALD WEBER, GEORGE WISSER.

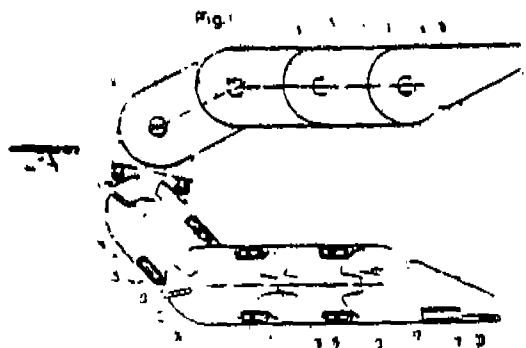
Application for Patent No. 128/Del/90 filed on 13-2-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

14 Claims

A feeder chain for the supply of all types of consumable material to unite that move on tracks, said chain comprising a plurality of chain links having a continuous inner space for feed lines, wherein said chain links have pivotably interconnected outer side pieces, said outer side pieces being provided with stop means for delimiting the mutual pivot angle, each chain link having two detachable crosspieces for interconnecting said outer side pieces thereof, characterised in that

said crosspieces are tubular pieces, at least one of said crosspiece being insertable via a force-fit connection onto projections disposed on facing sides of said side pieces.



Compl. Specn. 24 pages

Drgns. -7 sheets

Ind. Cl. : 53 C

177113

Int. Cl. : B26M 9/00

"HEAVY DUTY SPEED CHANGER DEVICE FOR BICYCLES AND CYCLE RICKSHAWS".

Applicant & Inventor : KSHETRA PAL SINGH 9/1 SHRAM BHAWAN, CHOWMANDI, ROORKEE, DISTT. HARDWAR.

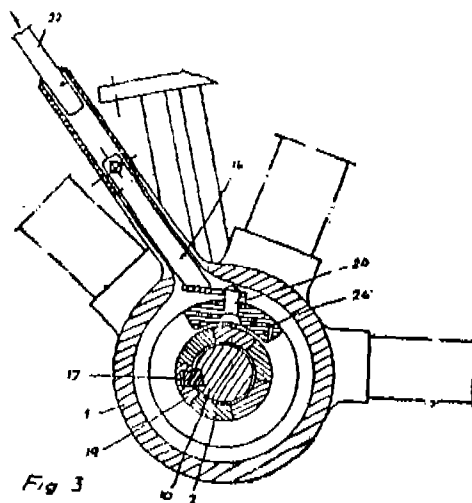
Application for Patent No. 133/Del/90 filed on 14-2-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

4 Claims

A heavy duty speed changer device for bicycles and cycle rickshaws, comprising an axle 10 supported on a pair of bearings 7 secured with a pair of side plates 15 provided on either sides thereof, a pair of chain wheel 6 fixed on opposite sides of the axle characterised in that said chain wheel comprises a driver 19 having same number of teeth as that of chain wheel breaker clutch 2 and a support ring 14 secured to the said chain wheel 6 on the other side of said chain wheel 6 on the other side of said chain wheel 6, a chain wheel breaker clutch 2 slidably mounted on the said axle of shaft 10, a shifter or lever 16 for shifting the said chain wheel breaker clutch 2 from one side to the other side towards one

or the other of the two chain wheels 6, a handle 27 mounted on the upper part of the frame of the cycle being provided for shifting said shifter 16, said handle 27 being connected with the said shifter 16 through a connecting rod 22.



Compl. Specn 11 pages

Drgns. 4 sheets

Ind. Cl. : 32 F

177114

Int. : C 07 C, 79/02.

"A PROCESS FOR PRODUCING DINITROTOLUENE AND CAUSING PHASE SEPARATION OF THE DINITROTOLUENE SO PRODUCED FROM THE PRODUCT MIXTURE".

Applicant : OLIN CORPORATION, OF 350 KNOTTER DR., P.O. BOX 586, CHESHIRE, CONNECTICUT 06410-0586, USA.

Inventor : ROBERT WILLIAM MASON, PETER CHILSON IMM, KENT JAMES BORDELON.

Application for Patent No. 137/Del/90 filed on 14-2-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

9 Claims

A process for producing dinitrotoluene and causing phase separation of the dinitrotoluene so produced from the product mixture which comprises :

- reaching toluene with nitric acid having an acid concentration of between 60 and 75 percent by weight, based upon the total amount of acid plus water, at a reaction temperature of between 60°C and 75°C, and employing between 3 and 5 moles of nitric acid per mole of toluene, to produce mononitrotoluene, said reaction being conductive for a reaction time of between 1 and 5 hours,
- reacting said mononitrotoluene with concentrated nitric acid having an acid concentration of between 90 and 100 per cent by weight, based upon the total amount of acid plus water therein, at a reaction temperature of between 40°C and 70°C, and employing between 3 and 4 moles of concentrated nitric acid per mole of mononitrotoluene, to produce a mixture containing dinitrotoluene and unreacted nitric acid, reaction being conducted for a reaction time of between 1 and 5 hours, characterised in that

- (c) an inorganic salt such as herein described is added into said mixture to cause phase separation of said dinitrotoluene from said unreacted nitric acid in said mixture.

Compl. Specn. 10 pages

Drngn. sheet Nil

Ind. Cl. : 35 C

177115

Int. Cl. : C04B 28/36

"A METHOD OF MANUFACTURING ACID RESISTANT CONCRETE PIPES FROM SULFUR CONCRETE".

Applicant : KKKK A/S OF 22, ISLANDS BRYGGE, DK-2300, COPENHAGEN S. DENMARK.

Inventor : LEIF HOLBAUM AARSLEFF LARSEN.

Application for Patent No. 138/Del/90 filed on 15-2-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

9 Claims

A method of manufacturing acid resistant concrete pipes from sulfur concrete by the dry casting method which consists essentially of the steps of :

- (a) preparing a concrete composition by mixing components consisting essentially in percent by volume of 5 to 30% sulfur upto 70% coarse aggregate of particle size greater than 4mm, 10% to 80% fine aggregate of particle size up to 4mm, 3 to 40% filler, 1 to 10% air and balance if any up to 5% reinforcing fibres and up to 10% conventional additives and/or adjuvants;

said amount of sulfur being sufficient when mixed with the composition to provide a dry mix when melted :

- (b) heating said components to a temperature at which said sulfur is liquid :
- (c) casting the mixture at said temperature into a pipe mould while subjecting said mould to vigorous vibration, wherein said mould being preheated to a temperature ranging upto 160°C; and
- (d) then removing the cast pipe from said mould following completion of casting.

Compl. Specn. 28 pages

Drngs. Sheets Nil

Ind. Cl. : 32 E

177116

Int. Cl. : C08L 71/02.

"A PROCESS FOR THE PRODUCTION OF ADDITION PRODUCTS OF ALKYLENE OXIDE AND AN APPARATUS FOR CARRYING OUT THE PROCESS".

Applicant : PRESSINDUSTRIA S.P.A. OF VIA PORTA DARNOLFO 35, 20046 BIASSONO, MILAN, ITALY.

Inventor : PAOLO STRANEO, CARLO MAFFEZZONI, ALFREDO MARCHEGIANO.

Application for Patent No. 141/Del/90 filed on 16-2-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

4 Claims

A process for the production of addition products of alkylene oxide and catalysed initiator having mobile hydrogens such as herein described which comprises feeding said alkylene oxide to a collection and storage tank (4) where said

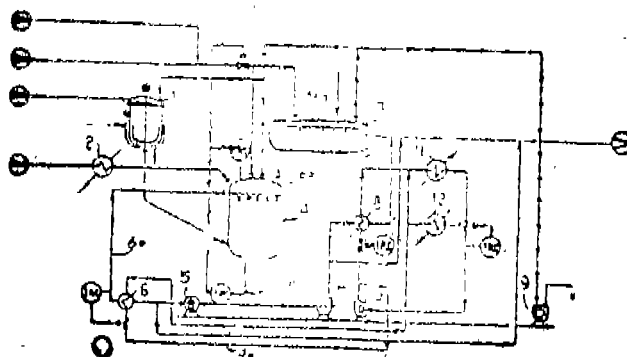
catalysed initiator is recirculated through a secondary recirculation system (4a, 5, 6, 6a, 6b) so reacting with said alkylene oxide forming a liquid product,

continuing said reaction until a volume of the liquid product has grown to at least the volume of the main recirculation system (4b, 7, 8 and 3a),

recycling said liquid product to the gas liquid reactor (3)

feeding said alkylene oxide to the gas liquid reactor (3) and reacting with the said recycled liquid product therein.

continuing said gas liquid reaction and recycling steps to produce an addition product of the required chain length.



Compl. Specn. 10 pages

Drngs 1 Sheet

Ind. Cl. : 32 B.

177117

Int. Cl. : C07C 4/02.

A METHOD OF PRODUCING A MIXED VAPOR STREAM OF A GASEOUS HYDROCARBON FULLY SATURATED WITH WATER.

Applicant : THE M. W. KELLOGG COMPANY, OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046-0395, UNITED STATES OF AMERICA.

Inventor : WILLIAM CHARLES PETTERSON, THOMAS ALAN WELLS, PETER CHERISH, STEPHEN WAYNE MORGAN.

Application for Patent No. 687/Del/90 filed on 09-07-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

3 Claims

A method of producing a mixed vapor stream of a gaseous hydrocarbon fully saturated with water useful as a feed to a hydrocarbon steam cracking process which comprises :

(a) circulating water upwardly through a tubular saturating zone and heating the water therein at a variably controlled rate by indirect heat exchange with a heating fluid such as herein described;

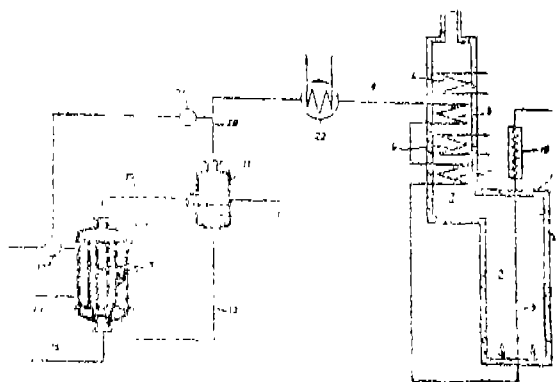
(b) injecting a gaseous hydrocarbon into a lower flooded portion of the tubular saturating zone in cocurrent flow with the circulating water whereby a two phase equilibrium mixture comprised of water and water saturated hydrocarbon is formed ;

(c) recovering the two phase, equilibrium mixture from the tubular saturation zone;

(d) introducing the two phase, equilibrium mixture into a separation zone having a static liquid pressure greater than that of the tubular saturation zone whereby the mixture is separated into a water stream and a mixed vapor stream of gaseous hydrocarbon fully saturated with water;

(e) recovering the water stream from the separation zone and recirculating the recovered water stream to the tubular saturating zone; and

(f) recovering the mixed vapor stream of gaseous hydrocarbon fully saturated with water from the separation zone.



(Complete Specification 11 Pages; Drawing Sheets 1).

Ind. Cl. : 40 E

177118

Int. Cl. : B 01 D 15/08.

AN IMPROVED PROCESS FOR THE SEPARATION OF CATECHOL AND HYDRO-QUINONE FROM AN AQUEOUS MIXTURE OF DIHYDROXYBENZENE ISOMERS USING SUPER ABSORBENT POLYMERS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventor : PRAMOD PRABHAKAR MOGHE, KULKARNI MOHAN GOPALKRISHNA BOTH INDIAN.

Kind of application : Complete

Application for Patent No. 692/DEL/90 filed on 10-7-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

2 Claims

An improved process for the separation of catechol and hydroquinone from an aqueous mixture of dihydroxybenzene isomers, which comprises passing the aqueous mixture of dihydroxybenzene isomers, having a pH between 2-4, through a column containing superabsorbent polymer, such as herein described eluting the resultant absorbent first with benzene or dichloromethane to remove catechol and then with an organic solvents except benzene, dichlorobenzene to remove hydroquinone at a temperature in the range of 20°C to 35°C at normal atmospheric pressure.

French Patent No. 852377; US Patent No. 2,804,480 and EPO No. 046534 are referred in the specification.

Agent : CSIR

Compl. Specn. 8 pages

Drgn. Nil

Ind. Cl. : 117 D, 76 I E, 13 D.

177119

Int. Cl. : A44B 19/00, 19/26

LOCKING APPARATUS FOR ZIPPERS.

Applicant : DELSEY S.A. OF 23 RUE SAINT ANDRE, 93012, BOBIGNY, FRANCE.

Inventor : ANDRE SEYNHAEVE.

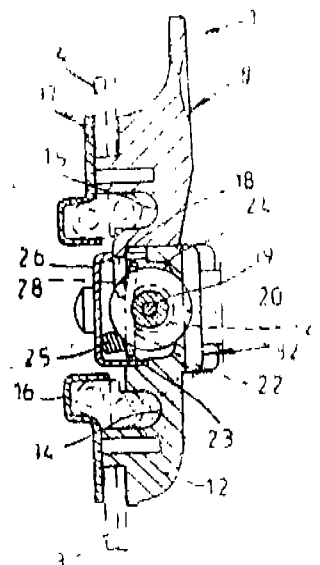
Application for Patent No. 695/Del/90 filed on 10-7-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

13 Claims

Locking apparatus for zippers of the type comprising means for blocking at least one slider of said zippers with a pin characterised by a rigid casing, comprising two matching parts one said matching casing part on each side of a said zipper, said two matching parts of said casing interlocking with each other and lockable by inter-engaging locking means connected to said casing parts; one of said two parts being provided with blocking means for blocking said at least one slider on engagement by said pin.

FIG 9



Coml. Specn. 13 pages

Drgns. 11 sheets

Ind. Cl. : 26

177120

Int. Cl. : A46B 17/00

A FLOOR BROOMING AND WET WIPING MACHINE.

Applicant & Inventor : GURU DATTA TYAGI, OF E-11/18, DLF QUTAB ENCLAVE PHASE-I, GURGAON-HARYANA.

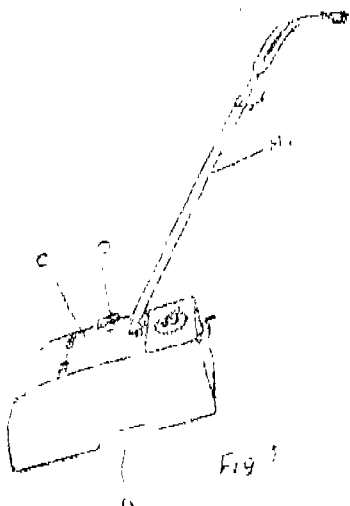
Application for Patent No. 712/Del/90 filed on 13-7-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

6 Claims

A floor brooming and wet wiping machine comprising a frame consisting of side arms having slots for accommodating wheels provided for moving the machine. brackets secured to said side arms being provided for supporting a motor thereon, characterised in that semicircular slots being provided near the ends of said side arms for accommodating means provided for supporting front and rear brushes having pulley at its one end, a dustbin removably secured to the bracket on the front side, means for providing water supply for wetting said rear brush being removably secured to the

cover of said machine, a handle removably secured to the clamp provided with the rear-backet being provided for guiding the movement of the machine during its operation.



Compl. Specn. 8 pages

Drgns. 2 sheets

Ind. Cl.: 98 I

177121

Int. Cl.4: F24J 2/00

A SUN TRACKER TO BE CONNECTED WITH VARIOUS SOLAR LOADS.

Applicant: WIRELESS AMATEURS OF F-461, KRISHNA GALLI, KOTLA MUBARAK PUR, NEW DELHI-110 003.

Inventor: RAMGONDA MALGONDA PATIL.

Application for Patent No. 149/Del/90 filed on 20-2-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

5 Claims

A sun tracker to be connected with various solar loads such as a photovoltaic panel or collector (pp) comprising a movable frame (F) provided for supporting said load, a motive means for example motors (M, CH²) having respective microswitch MS₁, MS₂ being provided for imparting a movement to said frame, sensing means such as a plurality of sensors (EWSN & R) connected to said motive means (M₁, M₂) through a signal processors (SP) being provided for controlling the movement of said frame (F).

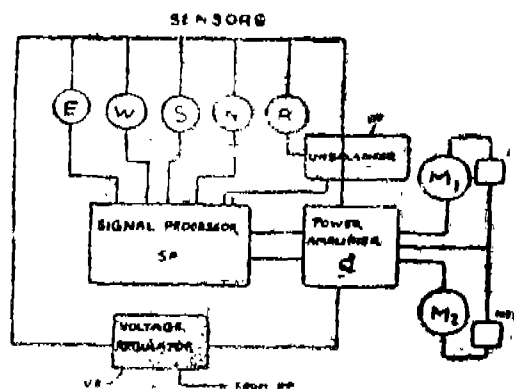


Fig. 1

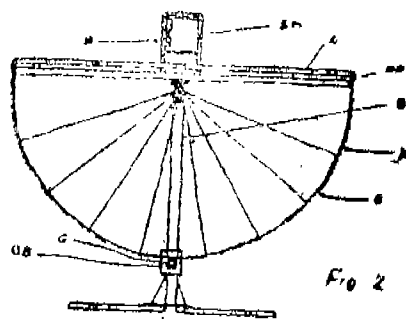


Fig. 2

Compl. Specn. 8 pages

Drgns. 2 sheets

Ind. Cl.: 98 I

177122

Int. Cl.4: F03G 7/02, F24J 3/06

A SOLAR COLLECTOR DEVICE.

Applicant & Inventor: ROGER GALLOIS-MONTBRUN OF 11 BIS, RUE DE NAVARRE, 75005, PARIS.

Application for Patent No. 162/Del/90 filed on 22-2-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

6 Claims

A solar collector device comprising a roof-shaped structure (1) able to withstand wind forces, said collector device having elongated rectangular front and rear faces and a horizontal ridge line (HH'), said front and rear faces respectively providing support for a front panel (2) and a rear panel (3) having substantially the same dimensions as front and rear faces of said structure (1), top longitudinal edges of said front panel and said rear panel coinciding with said horizontal ridge line (HH'); said front panel (2) having photovoltaic cells mounted thereon for providing a plane solar collector having a fixed inclination angle corresponding to a slope angle of the structure (1) front face; and connected with said roof-shaped structure, a moving means for turning said roof-shaped structure (1) about a central vertical axis of rotation (VV'); a tracking mechanism (14, 17) for maintaining said front panel (2) facing the sun and connected to said front panel (2) wherein said structure (1) comprises a second solar collector constituted by said rear panel (3) having photovoltaic cells mounted thereon providing a collecting surface of the same area as said solar collector mounted on said front panel (2), said rear panel (3) being mounted independently from its supporting structure (1) rear face, and rotatable about a horizontal rotation axis coinciding with said structure (1) ridge line (HH') to which said top longitudinal edge is hinged and orientation means (33) connected to said second solar collector for orientation of said second solar collector for inclination and maintaining said rear panel (3) normal to the sun.

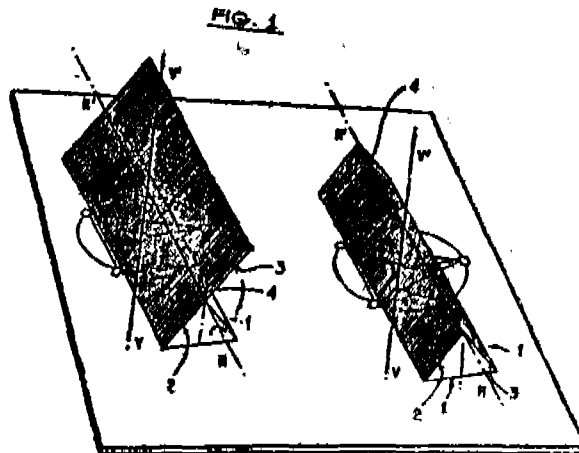


Fig. 1

Compl. Specn. 15 pages

Drgns. 6 sheets

Ind. Cl. : 146 D1

177123

Int. Cl. : G01M 1/28

AN APPARATUS FOR WHEEL ALIGNMENT IN VEHICLES.

Applicant : TTC LASER MACHINES (P) LTD., B-97, NEETI BAGH, NEW DELHI-110 049.

Inventor : VIPIN CHANDER BHOGAL.

Application for Patent No. 165/Del/90 filed on 26-2-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

4 Claims

An apparatus for wheel alignment in vehicles comprising :

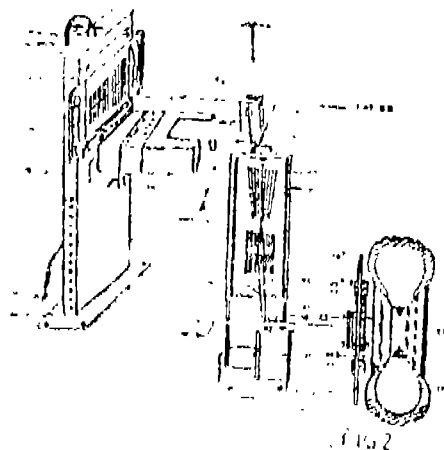
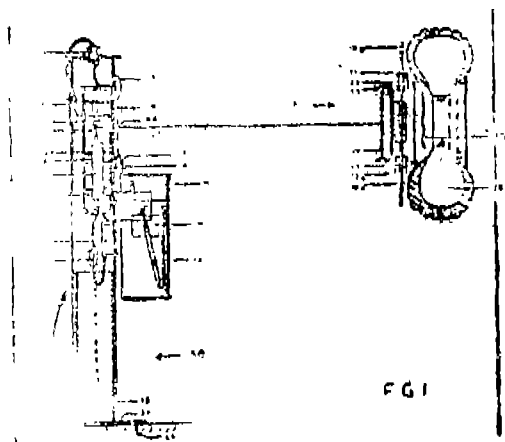
a terminal (50) having means for generating a laser beam provided in a housing,

reflecting means (51) provided in the said housing for adjusting the path of said laser beam, wherein

a front chart (18) having an aperture is provided on the said terminal (50) in front of the said housing for permitting the laser beam (19) to strike at the reflecting means (51) mounted on the front tyre rim of the vehicle and reflect back on the said chart for measuring the predetermined angle,

means for splitting the said laser beam for rear wheel alignment to partly reflect back the said beam and partly transmit through the said splitting means (14) at 90°.

a rear chart (36) with a slit having apertures for passing the said transmitted beam and striking the hanging mirror provided on a rod fixed at the rear tyre rim of the vehicle and reflect back on the second chart for measuring the predetermined angle.



Compl. Specn. 7 pages

Drgns. 4 sheets

Ind. Cl. : 174 B, 160 A

177124

Int. Cl. : B60 G 11/00

A CUSHIONING DEVICE.

Applicant : GENCORP INC., OF 175 GHNET ROAD AKRON, OHIO 44313, USA.

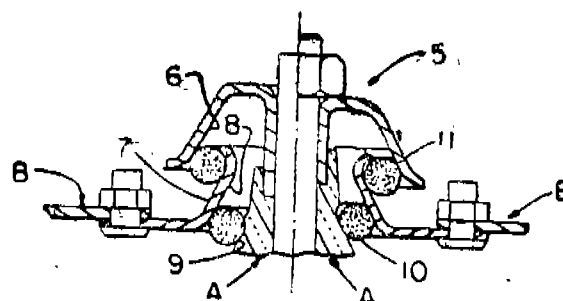
Inventor : RICHARD DONALD HEIN, PAMELA JANE HARRISON.

Application for Patent No. 177/Del/90 filed on 26-2-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

5 Claims

A cushioning device (5) comprising at least one pair of concentrically disposed, rigid conical surfaces (6) in spaced relation; and a toroidal-shaped, resilient elastomeric ring (10, 11) disposed between the said conical surfaces for rolling and compressive engagement with the said surfaces as they move relatively closer to each other, said ring having a pair of similar opposing longer toroidal segments (12, 15) connected by a pair of similar opposing shorter toroidal segments (14, 15) which are concentrically disposed with the said two longer segments about the centre axis of the said ring, the said shorter segments having similar cross-sections which are substantially smaller than the corresponding cross-sections of the said longer sections such that recesses are formed between the said shorter segments and the adjacent conical surfaces.

FIG. 1

Compl. Specn. 6 pages

Drgns. 3 sheets

Ind. Cl.: 128 F

177125

Int. Cl.: A 61 M 25/00

AN APPARATUS FOR APPLYING AN ENERGY IMPULSE TO CAUSE FRACTURING OF HARD FORMATION IN THE BODY.

Applicant: PHYSICAL SCIENCES, INC., OF 20 NEW ENGLAND, BUSINESS CENTRE, ANDOVER, MASSACHUSETTS 01810-7100, USA.

THE GENERAL HOSPITAL CORP., OF BOSTON, MASSACHUSETTS, 02114, USA.

Inventor: DAVID ISIDORE ROSEN, USA; HARRY PETSCHEK, USA; STEPHEN PAUL DRETTLER, USA; KRISHNA MOHAN BHATTA, USA.

Kind of Application: Complete.

Application for Patent No. 182/Del/90 filed on 27-2-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

7 Claims

An apparatus for applying an energy impulse to cause fracturing of hard formations in the body, the apparatus comprising;

a flexible guide (110) adapted for insertion through a fluid containing body passage, said flexible guide having a terminal portion defining an interior space, wherein, when said guide is in an operative position, said terminal portion is located within the body passage (102);

an end cap (120) affixed to a distal end movably coupled to the terminal portion of said guide, the end cap being adapted for linear reciprocal movement between a first position and a second position linearly spaced from the first position, the end cap being adjacent to the interior space of the terminal portion;

means for applying said energy to said end cap thereby causing a pulse like movement of the cap;

means for providing fluid access from an exterior of said end cap and guide to the body passage (102) to the interior space of the terminal portion of said guide end cap; and

means for applying a series of energy impulses to the interior space of the terminal portion to vaporize fluid therein, wherein the vaporization of the fluid in the interior space of the terminal portion moves the end cap between the first and second positions.

Ref: NIL

Agent: REMPRY & SAGAR

Compl. Specn. 15 pages

Drngs. 2 sheet

Ind. Cl.: 32 E

177126

Int. Cl.: C08G, 58/59

EPOXY MOULDING COMPOSITIONS.

Applicant: ROHM AND HAAS CO., OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA, 19105, USA.

Inventor: JAMES OLIVER PETERSON, RAJIV HARSHADRAI NAIK, GARY LEE LINDEN.

Application for Patent No. 187/Del/90 filed on 28-2-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

8 Claims

An epoxy molding composition, which comprises 5 to 80% by weight based on weight of total composition of epoxy resin, and a low stress additive system for lowering the internal stress of the epoxy molding composition and wherein said low stress additive system comprises:

(a) 0.1 to 20% by weight of total composition of composite organic polymer particles of the kind such as hereinafter described effective to provide the desired reduction of the internal stress of the cured epoxy molding composition, said composite organic polymer particles having a soft rubbery core of organic polymer and at least one shell of harder organic polymer; and

(b) 0.1 to 10% by weight of total composition of liquid silicon-containing compound, other than silane coupling agents, effective to maintain flowability of the epoxy without causing substantially increased resin bleed.

Compl. Specn. 27 pages

Drngs. Nil

Ind. Cl.: 32 E

177127

Int. Cl.: C08F 2/00, C10M 149/00

A PROCESS FOR THE PREPARATION OF A GRAFT POLYMER SUITABLE FOR USE AS A DISHERSANT AND A VISCOSITY IMPROVING ADDITIVE FOR LUBRICATING OILS.

Applicant: THE LUBRIZOL CORP., OF 29400 LAKE-Land BOULEVARD, WICKLIFFE, OHIO 44092, USA.

Inventors: CARMEN VINCENT LUCIANI, RICHARD MICHAEL LANGE.

Application for Patent No. 0188/Del/90 filed on 28-2-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

10 Claims

A process for the preparation of a graft polymer suitable for use as a dispersant and a viscosity improving additive for lubricating oils which comprises reacting a free radical-polymerizable vinyl nitrogen monomer of the kind such as herein described with a hydrocarbon polymer backbone of the kind such as herein described in the presence of a minor amount of an aliphatic hydrocarbon-substituted aromatic solvent capable of free-radical hydrogen atom chain transfer, said solvent being selected from the group consisting of toluene, xylene ethylbenzene, diethylbenzene, 1, 2, 4-trimethylbenzene, 1, 2, 3, 5-tetramethylbenzene, 1, 2, 4, 5-tetramethylbenzene, mesitylene, tetralin, alkyl benzene -*bot*-tolene, alkyl tetralins, alkyl naphthalenes and alkyl toluenes containing a total of from 1 to 4 alkyl groups, wherein each alkyl group contains from 1 to 6 carbon atoms, and the total number of carbon atoms in all alkyl groups does not exceed 10, and phenyl substituted alkanes, wherein the alkane contains from 4 to 16 carbons, and there are 2 or 3 phenyl substituents.

Compl. Specn. 42 pages

Drngs. Nil

Ind. Cl.: 15 CD

177128

Int. Cl.: B21D 51/00

SLIPPER BUSHING

Applicant: GENCORP INC., OF 175 GHENT ROAD, AKRON OHIO 44313, USA.

Inventor: MATHEW KANJHIRATHINKAL CHAKKO.

Application for Patent No. 203/Del/90 filed on 5-3-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

6 Claims

A slipper bushing comprising:

a rigid one piece inner member (20) having a pair of opposing ends (50) and an outer cylindrical surface;

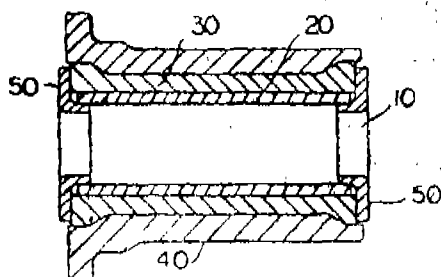
a concentric, hollow, cylindrical elastomeric member (30) surrounding said inner member (20) and having a pair of opposing ends (32) and an outer surface and an inner surface which is in force-fit relationship to the outer surface of said rigid one-piece inner member (20), said elastomeric member (30) having an outwardly extending annular flange (32) at each of its opposing ends,

a rigid, concentric, hollow cylindrical, polymeric outer member (40) are surrounding said elastomeric member (30) and coextensive therewith, said polymeric outer member (40) having a pair of opposing ends each with an annular recess configured to receive the annular flanges (32) of said elastomeric member (30), said polymeric outer member (40) having an inner surface which is in sliding relation with the outer surface of the elastomeric member (30);

a lubricant disposed between the inner surface of said polymeric outer member (40) and the outer surface of said elastomeric member (30); and

tubular end caps (50) at the opposing ends of said inner member (20), said ends having outwardly extending annular flanges in sealing relation with adjacent ends (32) of said inner members (30) and at least a portion of the adjacent ends of said cylindrical elastomeric member (30).

FIG. 1



Compl. Specn. 10 pages

Drgn. 1 sheet

Ind. Cl. : 179 G

177129

Int. Cl.⁴ : B65B 5/00.

"FLEXIBLE SELF-STANDING POUCH FOR STORING LIQUID".

Applicant : COLGATE-PALMOLIVE CO., OF 300 PARK AVENUE, NEW YORK-10022, USA.

Inventor : ADAM SHERMAN.

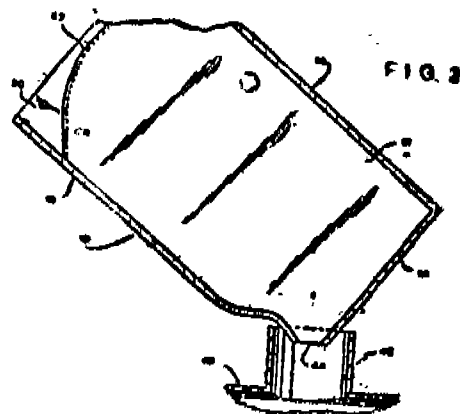
Application for Patent No. 210/Del/90 filed on 6-3-90.

Appropriate Office for filing the Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 5)

A flexible self-standing pouch for storing liquid therein, comprising first and second wall means (12) made of nonrigid sheet material, said first wall means having a first peripheral edge (14, 20) and the said second wall means having a second peripheral edge (14, 20), the said first peripheral edge being bonded to the said second peripheral edge to form a sealed juncture comprising a top portion (18) connected to a first said sealed juncture defining a closed chamber, the said juncture comprising a top portion (12) connected to a first side portion (16) and a second side portion, the said first side portion (16) comprising an inwardly curved portion

spaced from the said top portion (18) which defines a recess (24) in the said pouch, the said recess (24) having a maximum height which is greater than the maximum depth measured in a direction transverse to the direction along which the height is measure, whereby opposing portions of the said first and second wall means form a spout portion (34) suitable for use as a spout (34) when the said opposing portions of the said wall means (30-18) are cut along a line extending from a point along the said recess (24) to a point along the top portion (18) of the pouch, the top portion (18) juncture being of a length less than the width of the pouch first and second wall means, whereby the said spout portion (34) is inset from the said first side portion (16) of the pouch



(Complete Specification 14 pages

Drawing Sheets 6)

Ind. Cl. : 201 A + C [H] (4)

177130

Int. Cl.⁴ : C 02 F 1/42

A WATER PURIFIER DEVICE.

Applicant : CHIEF CONTROLLER, RESEARCH AND DEVELOPMENT GOVERNMENT OF INDIA MINISTRY OF DEFENCE, B 341, SENA BHAVAN DHQ P.O. NEW DELHI-110011, AN INDIAN NATIONAL

Inventor : 1. PERMPULAVIL KUBIRAMA RAMACHANDRAN

2. RAMAMURTHY VAIDYANATHA SWAMY

3. KANNAR SANKARA MANJA

4. MAHABIR PRASAD KAUSHIK

5. VIJAY SHANKER TRIPATHI

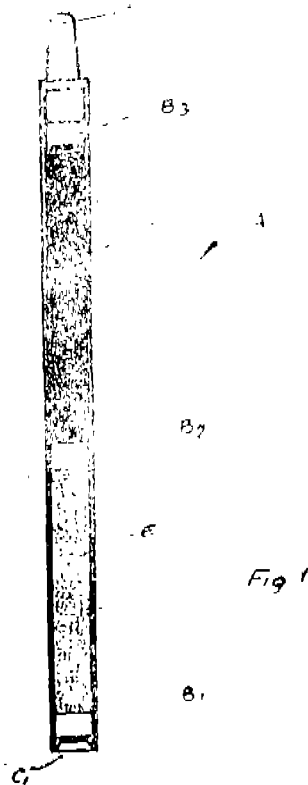
Application No. : 668/DEL/88 filed on 3-8-1988.

Appropriate Office for filing the Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Branch Karol Bagh New Delhi-110 005.

(CLAIMS 3)

A water purifier device (A) comprising an inlet end (C₁) dirty water and an outlet end (C₂) for pure water, a first support B₁ provided at said inlet end (C₁), a third support (B₃) being provided at said outlet end, and a second support, (B₂) being provided between said first and third supports (B₁ & B₃) each of said supports consists of a filter for allowing the flow of water there through, a first column (E) of basic, anionic resin containing iodine being provided between said first and second supports (B₁ & B₂) to kill microbes present in the water, a second column (F) of impregnated

carbon being disposed between said second and third support (B_2 & B_3) for removal of particulate matter and colour impurities.



Complete Specn. 6 pages.

Drg 1 sheets

Ind. Cl. : 189 [LXVI (19)]

177131

Int Cl : A 61 K-7/16.

A PROCESS FOR THE PREPARATION OF AN ORAL DENTIFRICE COMPOSITION COMPRISING OF PEROXIDE - BICARBONATE.

Applicants : HINDUSTAN LEVER LTD. HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA

Inventors : (1) DAVID ROBERT WILLIAMS AND
(2) CHRISTINE WATSON RYLES

Application No. 199/Bom/92 filed on June 24, 1992.

Appropriate Office for Opposition Proceedings 9 (Rule 4, Patents Rules, 1972). Patent Office Branch, Bombay-400013.

8 CLAIMS

A process for the preparation of an oral dentifrice composition comprising preparing :

(A) a first component comprising :

(i) a peroxygen compound present in an amount from about 0.1 to 10% by weight of the first component ;

(ii) a first flavour agent which is reactively incompatible with bicarbonate salts, said first flavour agent being present in an effective amount such as herein described to impart a flavour taste : and preparing ;

(B) a second component comprising :

(i) a bicarbonate salt present in an amount from about 0.5 to about 80% by weight of the second component ;

(ii) a second flavour agent which is relatively compatible with said bicarbonate salt, said second flavour agent being present in an effective amount such as herein described to impart a flavour taste, and said components holding in separate areas of a container for said oral composition, the relative amounts of said first and second components ranging from about 2:1 to 1:20.

Comp. Specn. 23 pages,

Drgs Nil.

Ind. Cl. : 101 E [XXVIII (2)]

177132

Int. Cl. : B 67 D-5/16.

A FLOW METERING APPARATUS.

Applicants & Inventor : AVINASH SHRIKRISHNA VAIDYA. INDIAN NATIONAL OF 122/3 ERANDAVANA. ANURAG APARTMENTS. PUNE 411004, MAHARASHTRA STATE, INDIA.

Application No. 284 BOM/92 filed on 11-9-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1970). Patent Office Branch, Bombay-400 013.

5 Claims

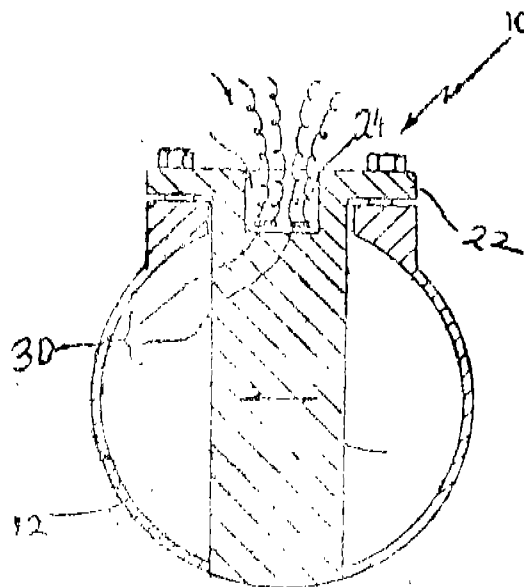
A flow meter which comprises

a flow tube through which fluid whose flow is to be measured can flow;

a vortex generating body, mounted within the said flow tube, said body having a base surface facing fluid flow and a pair of converging downstream surfaces, said vortex generating body being anchored at both ends relative to the flow tube;

one end of the said body projecting through the flow tube to the outside;

at least one sensing element for sensing the torsional angular displacement located in the flow tube in the end projecting from the flow tube; said sensing element adapted to sense the torsional angular displacement of the body as a result of vortices generated on either side of the converging surfaces, said at least one sensing element cooperating with means responsive to the signals generated by the sensing element for measuring the flow of fluid through the flow tube



(Prov. Specn. 9 pages;

Drgs. 2 Sheets.)

(Comp. Specn. 10 pages;

Drgs. 2 Sheets.)

Ind. Cl. : 50 A Gr. [VII (1)]

177133

10 Claims

Int. Cl. : A 47 G-23/04.

AN IMPROVED CASSEROLE.

Applicant : EAGLE FLASK INDUSTRIES LIMITED AN INDIAN COMPANY, AT TALEGAON 410 507 DIST. PUNE, MAHARASHTRA STATE, INDIA.

Inventor : NAUSHAD ISMAIL PADAMSEE.

Application No. 327/Bom/92 filed on 15-10-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

6 Claims

An improved casserole comprising :

an outer plastic hollow body defining a peripheral rim; an inner stainless steel bowl having a drawn peripheral inverted U-formation at its rim, which is adapted to mount over and engage the rim of the said body, thereby securing the inner stainless steel bowl to the said body, an annular space provided between the said stainless bowl and the said body, the said space being provided with heat insulation; and an insulated plastic lid being provided over the outer plastic body covering the mouth of the inner stainless bowl.

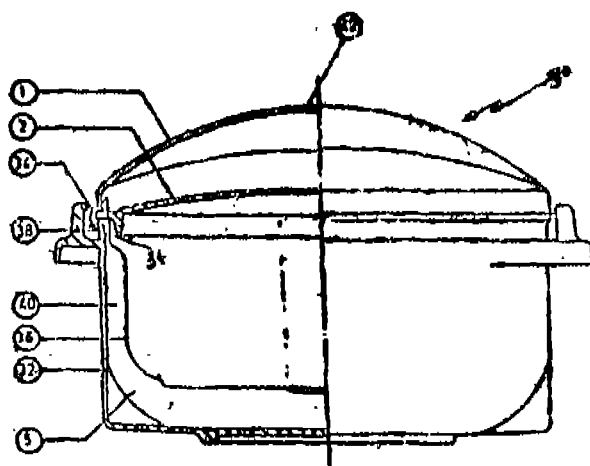


Fig. 1

(Comp. Specn. 10 pages;

Drwg. 3 Sheets.)

Ind. Cl. : 40B [IV (1)]

177134

Int. Cl. : B01 J-31/00, 33/00
C 11 D-3/395.

BLEACH CATALYST COMPOSITION, MANUFACTURE AND USE THEREOF IN DETERGENT AND/OR BLEACH COMPOSITIONS.

Applicants : M/s. HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) MR. FRANCOIS DELWEL
(2) MARTIEN ROBERT P. VANVLIET

Application No. 361/Bom 92 filed on 19-11-92, U.K. Priority dt. 20-1-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

A bleach catalyst composition in the form of nonfriable composite granules characterised in that each individual granule is free from easily oxidisable organic materials; and comprises :

- (i) from 0.5 to 8% by weight of a manganese complex catalyst such as herein described;
- (ii) upto 90% by weight of an inert salt selected from chlorides, carbonates and mixtures thereof; and
- (iii) from 5 to 91% by weight of a binding agent selected from water soluble non-oxidisable polymers, alkali metal silicates, saturated fatty acid soap mixtures and mixtures thereof.

(Comp. Specn. 28 pages;

Drgs. Nil.)

Ind. Cl. : 170 D, Gr. [XLIII (4)]

177135

Int. Cl. : C 11 D-01/83, 3/60, 17, 06.

PROCESS FOR THE PREPARATION OF A GRANULAR DETERGENT COMPOSITION HAVING HIGH BULK DENSITY.

Applicants : HINDUSTAN LEVER LIMITED, A CO. INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) JOHANNES HENDRIKUS M. AKKERMANS.

(2) HUG FUSER.

(3) CHRISTOPHE JOYEUX.

(4) PETRUS LEONARDUS J. SWINKELS.

Patent application No. 376 Bom/92 filed on 26-11-92, G. B. Priority date 26-11-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

11 Claims

Process for the preparation of a granular detergent composition having a bulk density of at least 650 g/l, which comprises treating a particulate starting material in a high speed mixer/densifier, characterised in that 0.1 to 50% by weight as calculated on the granular detergent composition of a liquid surfactant composition is mixed with the starting material during this treating process, said surfactant composition comprising :

- (a) a sodium or potassium salt of an alkyl sulphate in an amount from 5 to 60% by weight;
- (b) an alkoxyated nonionic surfactant in an amount from 40 to 95% by weight.

(Comp. Specn. 17 pages;

Drwg. Nil.)

Ind. Cl. : 5 C [I (1)]

177136

Int. Cl. : A 01 D 34/63.

A TWO WHEELER HARVESTER.

Applicants : WALCHAND NAGAR INDUSTRIES LTD., CONSTRUCTION HOUSE, WALCHAND HIRACHAND MARG, BALLARD ESTATE, BOMBAY-400 038, MAHARASHTRA, INDIA.

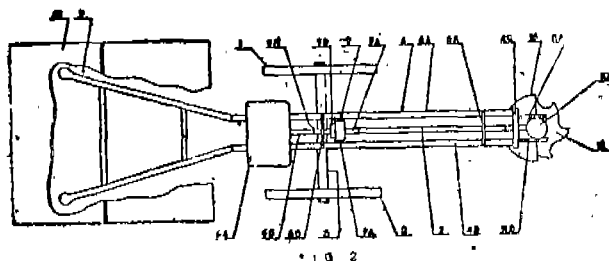
Inventors : DR. RAMAKANT TIWARI & BHAGWAN SHANKAR DHAVALIKAR.

Application No. 386/Bom/92 filed on Dec. 12, 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

2 Claims

A two-wheeler harvester consisting of a pair of wheels rotatably mounted at opposite ends of an axle, a base frame mounted on said axle and provided with a handle at the rear end thereof, a diesel engine mounted on said base frame, a spindle disposed above said base frame longitudinally and horizontally rotatably mounted on said base frame one end of said spindle being connected to the shaft of said diesel engine through a slip clutch of known construction working in known manner and the other end of said spindle being connected to a rotary cutter through a right angled bevel or helical gear box mounted on said base frame, said rotary cutter being disposed at the front end of said base frame in spaced apart relationship therewith and rotatable in the horizontal plane, said rotary cutter being provided with a protective guard exposing said rotary cutter partially, said protective guard being fixed to said gear box and a canopy mounted on said handle.



(Comp. Specn. 10 pages;

Drwg. 1 Sheet)

Ind. Cl. : 55 B 1 Gr [XIX (1)]

177137

Int. Cl. : A 61 K 31/155

A PROCESS FOR PREPARATION OF NOVEL ANTI-ARRHYTHMIC & CARDIOPROTECTIVE SUBSTITUTED PROPENOYL GUANIDINES.

Applicants : HOECHST INDIA LIMITED, HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

- Inventors : (1) RAMCHANDRA GANAPATI NAIK
(2) RAMANUJAM RAJAGOPALAN
(3) YATENDRA KHANDELWAL
(4) ANAGHA SUHAS KULKARNI
(5) ANIL VASANTRAO GHATE
(6) HANS JOCHEN LANG
(7) WOLFGANG SCHOLZ.

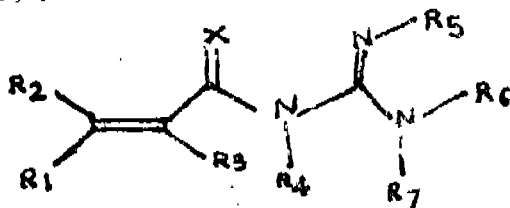
Patent application (with provisional specification) No. 394/Bom/92 filed on 11-12-92.

Complete after provisional specification left on 10-3-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

5 Claims

A process for the preparation of novel antiarrhythmic and cardioprotective substituted propenoylguanidines of the formula I :



wherein, R₁ is aryl, substituted aryl, heteroaryl or substituted heteroaryl, R₂ is H, alkyl, substituted alkyl, aryl, substituted aryl, COOH, COO-NH-lower alkyl CON (lower alkyl)₂, halogens such as F, Cl or Br or -C(O)-O-lower alkyl, R₃ is H,

alky substituted alkyl, aryl, substituted aryl, COOH, CO-NH-lower alkyl, CON (lower alkyl)₂, halogens such as F, Cl or Br or -C(O)-O-lower alkyl, R₄, R₅ and R₆ each is H or lower alkyls R₄ and R₅ together may be a 5, 6 or 7 membered ring, R₇ is H, OH, NH₂ or lower alkyl and X is O, S or NH which comprises reacting a substituted aromatic aldehyde such as R-1 CHO with a Wittig reagent such as Ph₃P-CHCO₂Et followed by hydrolysis of the resulting R-1-CH-CHCOOEt with an alkali such as aqueous NaOH to obtain the substituted propenoic acid (substituted cinnamic acid) and reacting the substituted propenoic acid with thionyl chloride at room temperature to 80°C following by reaction of the resulting acid chloride with guanidine in an aprotic organic solvent such as 1, 2-dimethoxyethane at 5 to 10°C to obtain the propenoylguanidine.

(Prov. Specn. 6 pages;

Drwg. Nil.)

(Comp. Specn. 17 pages;

Drwg. Nil.)

Ind. Cl. : 117 A [LXIV (5)]

177138

Int. Cl. : E 05 B-27/10

E 05 B-19/16

AN IMPROVED CENTRE LOCK FOR SUITCASE BRIEFCASE OR LIKE LUGGAGE.

Applicants : SAFARI INDUSTRIES (INDIA) LTD., 107 O, KHETANI TEXTILE COMPOUND BAZARWARD, KURLA, BOMBAY-400 070, MAHARASHTRA, INDIA.

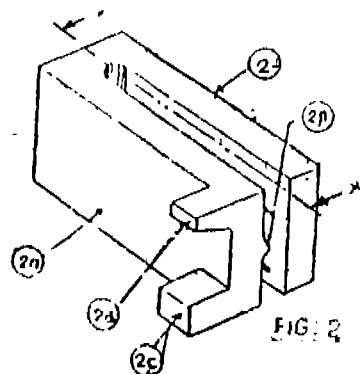
Application No. 424/Bom/1992 filed on Dec. 28, 1992.

Complete after Provisional left Mar. 22, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

6 Claims

An improved centre lock for suitcase, briefcase or like luggage comprising a rectangular hollow body with front opening having on its one side number of holes in rows; a U shaped slider mounted freely in the said hollow body and slidable in and out having on its one side facing said holes of body number of holes identical to holes of said body and said U shaped slider having other side at end two studs at distance; a two position catch mechanism placed side of the said slider engaged to lower stud of U shaped slider; a number of spring biased combination levers in two parts, upper one in the holes of said slider and lower one in the holes of said body such that spherical heads of said upper levers protrude into the said U shaped slider centre slot; a front cover with a slot opposite to said U slider slot with central bead for inserting centrally grooved flat key with combination of spherical depressions on key depending upon the combination of lock.



Compl. Specn. 9 pages

Drngs. 2 sheets

Provn. Specn. 6 pages

Drngs. 2 sheets

Ind. Cl.: 92 E II (3)]

177139

Int. Cl.: B 02 C 7/18, 7/14, 7/16.

AN IMPROVED FLOUR MILL.

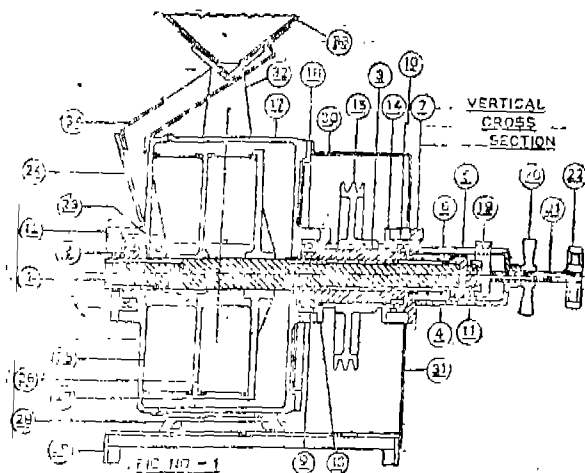
Applicant & Inventor: VIJAY VISHNU BHIDE OF III SHIVAJINAGAR (NORTH) SANGLI, TAL-MIRAJ, DIST. SANGLI, MAHARASHTRA, AN INDIAN NATIONAL.

Application No. 4/Bom/1993 filed on Jan. 4, 1993.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, Bombay-13.

3 Claims

An improved flour mill comprising a stationery stone mounted in housing and rotating stone mounted on horizontal shaft rigidly and supported on three bearings with breaking arrangement and a pulley mounted on the said shaft is driven by prime mover through V belts; hopper and chute means to feed grains to the inlet at the said housing with an outlet for collecting flour, characterised in that the said shaft having spline at one end with short length for mounting bearing with short spline bush and other end longer spline end for mounting two bearing with a pulley in centre on long spline bush; a break release spring provided at protruding end of the shaft and engaged to break cartridge fixed to other end of the shaft and engaged to break cartridge fixed to other end of the shaft with a bearing and bearing retaining cup to receive sliding pressure by means of screw mounted on break housing in the same axis of the shaft.



Compl Specn. 7 pages

Drngs. 5 sheets

Ind. Cl.: 189 Gr. [LXVI (9)]

177140

Int. Cl.: A 61 K—7/075

HAIR CARE COMPOSITION.

Applicants: HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor: ANDREW MALCOLM MURRAY.

Patent Application No. 56/Bom/1993 filed on 26-2-1993.
G.B. Priority filed on 2-3-1992.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

11 Claims

A hair care composition comprising:

- (a) 0.00001 to 0.01% by weight of the composition of a perfluoropolyether material, and

- (b) 0.001 to 0.4% by weight of the composition of a silicone conditioning agent.

- (c) one or more surfactants selected from anionic, nonionic, amphoteric and zwitterionic surfactants and mixtures thereof; and

- (d) 20–95% water.

Compl. Specn. 34 pages

Drngs. Nil

OPPOSITION PROCEEDINGS

An Opposition has been entered by M/s. Bharat Heavy Electricals Limited to grant of a Patent to M/s. Saraswati Industrial Syndicate Limited for Application No. 155592 (146/DEL/81) is undecided due to expiry of 14 years term on 17th March, 1995.

Notice of Opposition filed by Procter & Gambler co. Far East Inc., Japan in respect of Patent Application No. 163229 (558/DEL/85) is dismissed due to non-filing of the Reply Statement by the Applicant.

An opposition entered by M/s Bajaj Auto Ltd. to grant of a patent to piaggio Veicoli Europei S. P. A. (Original applicant—piaggio & C. S.P.A.) on their application No. 166247 (492/DEL/86) has been succeeded.

An Opposition has been entered by BAJAJ AUTO LIMITED to the grant of a Patent on Application No. 166827 (657/DEL/86) made by PIAGGIO & CSPA is dismissed due to non-filing of the Reply Statement by the Applicant.

An opposition entered by VIP Industries Ltd. to grant a patent to SAMSONITE CORPORATION on their application No. 169144 (909/DEL/86) is succeeded.

An opposition entered by Shri S. K. Sajadian to grant of a patent to Shri Sambasivan venkat Esvaran on his application for patent No. 170838 (462/DEL/89) is succeeded.

The opposition entered by Bajaj Auto Limited for grant of patent to Honda Giken Kogyo Kabushiki Kaisha on their application no. 170948 (426/DEL/87) is dismissed.

An opposition have been entered by M/s Procter & Gamble Far East Inc. Japan to the grant of a Patent Application No. 176108 (323/BOM/1992) made by M/s. Hindustan Lever Ltd., Bombay-400020.

An opposition have been entered by Mr. Girdhari Balaram Radhakrishnan, Mumbai-400005 to the grant of a patent application No. 176109 (346/Bom/1992) made by (1) M/s. I. J. Shah and (2) Mr. K. J. Shah of Madhavlal Shah & Co., Mumbai-400022.

An opposition have been entered by M/s Procter and Gamble Far East Inc. Japan to the grant of a Patent Application No. 176112 (303/BOM/1992) made by M/s Hindustan Lever Limited, Bombay-400020.

An opposition has been entered by M/s B. L. Enterprises, New Delhi-110049 to grant of Patent to Application No. 176116 (405/BOM/1996) made by Dr. Aditya R. Kamat, Bombay-400025.

An opposition has been entered by Unique Pharmaceutical Laboratories Limited, Bombay to grant of a patent on application No. 176149 (469/DEL/91) dated 31st May, 1991 made by Ms. Ranjana Gupta.

An opposition has been entered by Godrej Soaps Limited, Mumbai to grant of a patent on application No. 176149 (469/DEL/91) dated 31st May, 1991 made by Ms. Ranjana Gupta.

An Opposition has entered by procter & Gamble Co. Far East Inc. Japan to grant of a patent on application No. 176172 (675/DEL/89) dated 31st July, 1989 made by Cussons (International) Ltd, England.

An Opposition has been entered by Procter & Gamble Co. Far East Inc., Japan to grant of a patent on application No. 176177 (909/DEL/89) dated 6-10-89 made by Colgate Palmolive Company, U.S.A.

Notice of Opposition filed by Procter & Gamble Co. Far East Inc., Japan in respect of Patent Application No. 176177 (909/Del/89) is not followed by Full Written Statement within the prescribed period of one month from the date of filing of Notice of Opposition, the opposition is deemed to have been not launched.

An Opposition has been entered by Hindustan Lever Limited, Bombay to grant of a patent on application No. 176249 (847/Del/89) dated 20-09-89 made by The Colgate Palmolive Co., U.S.A.

An Opposition has been entered by Hindustan Lever Limited, Bombay to the grant of a patent on application No. 176263 (709/Del/89) dated 9-8-89 made by The Procter & Gamble Co., U.S.A.

AMENDMENTS PROCEEDING UNDER SECTION-57

Notice is hereby given that PIAGGIO VEICOLI EUROPEI S.P.A. has/have made an application on Form-29 under Section 57 of The Patents Act, 1970 for amendment of specification of their application for Patent No. 452/Del/87 (170757) for "GOVERNOR DEVICE FOR REGULATING THE OUTFLOW OF GASES FROM THE EXHAUST DUCT IN TWO STROKE INTERNAL COMBUSTION ENGINES." The amendments are by way of Change of name from PIAGGIO VEICOLI EUROPEI S.r.l to PIAGGIO VEICOLI EUROPEI S.P.A.

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that Piaggio Veicoli Europei S.P.A. formerly known as Piaggio Veicoli Europei S.r.l has/have made an application on Form-29 under Section 57 of The Patent Act, 1970 for amendment of specification of their application for Patent No. 658/Del/86 (170741) for "A Self-Supporting Frames Moped que Peut Être Pour A Motor Scooter". The amendments are by way of change of name from Piaggio Veicoli Europei S.r.l. to Piaggio Veicoli Europei S.P.A. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch Unit No. 401 to 405, 3rd floor Municipal Market Building, Saraswati Marg, Karol Bagh New Delhi-5 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401—405 3rd floor Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that PIAGGIO VEICOLI EUROPEI S.P.A. has/have made an application on form-29 under Section 57 of the patent Act, 1970 for amendment of specification of their application for patent No. 322/D-1/87 (170748) for "Belt TRANSMISSION UNIT FOR TWO-WHEELED VEHICLES." The amendments are by way of change of name from PIAGGIO VEICOLI EUROPEI S.r.l. to PIAGGIO VEICOLI EUROPEI S.P.A.

The application for amendment and the proposed amendments can be inspected free of charge at the patent Office Branch, Unit No 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the written Statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that Piaggio Veicoli Europei S.P.A. formerly known as Piaggio Veicoli Europei S.r.l. has/have made an application on Form-29 under Section 57 of the Patent Act, 1970 for amendment of specification of their application for Patent No. 453/Del/87 (170749) for "Braking system for two-wheelers". The amendments are by way of change of name from Piaggio Veicoli Europei S.r.l. to Piaggio Veicoli Europei S.P.A. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-5 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch Unit No. 401—405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that AMERICAN TELEPHONE AND TELEGRAPH CO., of 550 Madison Avenue, New York N. Y. 10022 United States of America, a Corporation duly organised and existing under the laws of the State of New York, U.S.A. have made an application under Section 57 of the Patents Act, 1970 for amendment of application and application of their application for patent No. 175280 (46 MAS/90) for "APPARATUS FOR ASSIGNING PARTS OF SPEECH TO WORDS IN A MESSAGE". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch 61 Wallajah Road, Madras-600002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form 30 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that SAVIO S.P.A. a company organised under the laws of the Italian Republic, of Via Udine 105, Pordenone, Italy, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and application of their application for Patent No. 175416 for "A PROCESS FOR PRODUCING THREAD PACKAGE BY WINDING THREAD AT A CONSTANT RATE FROM A SPINNING APPARATUS SEQUENTIAL FROM TO A ROTATING SPINDLE OF A COLLECTION UNIT". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61 Wallajah Road Madras-600002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form 30 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 170061 dated the 31st July, 1987 made by Dray McKea (London) Ltd on the 31st July, 1995 and notified in the Gazette of India Part III, Section 2, dated the 30th September 1995 has been allowed and the said patent

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patent Act, 1970 application No. 452/Del/87 (170737) of PIAGGIO & C.S.P.A. has been allowed to proceed in the name of PIAGGIO VEICOLI EUROPEI S.r.l.

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. 897/Del/88 (174266) of Dennison Manufacturing Company, has been allowed to proceed in the name of Van Leer Metallized Products (U.S.A.) Limited.

RENEWAL FEES PAID

157059 157060 158463 159072 159322 160321 160360 160520
160535 160536 161338 161570 161619 162088 162241 162243
162297 162481 162522 163023 163065 164183 164268 164270
164271 164773 164775 165530 165679 165810 165920 165992
166002 166830 167753 167936 167945 168140 168441 168658
168933 168794 169145 169273 169375 169502 169587 169656
169856 169857 170008 170711 170770 170903 170906 171230
171233 171348 171644 171645 171705 171990 172110 172715
173251 173425 173561 174119 174331 174617 174623 174625
174646 174647 174649 174650 174656 174717 174722 174723
174950 175040 175220 175636 175764 175825 175830 175832
175838 175840 175861 175864 175856 175866 175867 175871
175878 175911 175916 175918 175921 175923 175924 175925
175927 175930 175931 175933 175937 175947 175948

PATENT SEALED ON 18-10-1996

170224 176340* 176342* 176345 176346*F 176347 176350*D
176357 176358 176359 176362 176363 176366 176368 176370

CAL-04, DEL-06, BOM-05, MAS-NIL

*Patent shall be deemed to be endorsed with the words: LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent

F—Food Patent

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. Nos. 169903 & 169905, Vermont American Corporation, a Delaware corporation of National City Tower, Suite 2300 101 South Fifth Street, Louisville, Kentucky 40202, U.S.A. "SAW BLADE", 25th September 1995.

Class 1. No. 170546, Fiat Auto SPA, of Corso Giovanni Agnelli 200, I-10135 Torino, Italy, an Italian Joint Stock Company, "FRONT MULGUARD OF MOTOR CAR", 5th January 1996.

Class 1. No. 170546, Fiat Auto SPA, of Corso Giovanni Agnelli 200, I-10135 Torino, Italy, an Italian Joint Stock Company "MOTOR HOOD OF MOTOR CAR", 5th January 1996.

Class 1. Nos. 170458, 170461 & 170462, Chief Controller, Department of Defence Research and Development, Defence Research and Development Organisation, Ministry of Defence, Government of India, Sena Bhawan, New Delhi-110011, FUSE WITH CASING", 26th December 1995.

Class 3. Nos. 170459 & 170460, Chief Controller, Department of Defence Research and Development, Defence Research and Development Organisation, Ministry of Defence, Government of India, Sena Bhawan, New Delhi-110011, FUSE WITH CASING", 26th December 1995.

Class 3. Nos. 170619 & 170620, Canon Kabushiki Kaisha, a Japanese Company, of 30-2, 3 Chome, Shimomaru-ku, Ohta ku, Tokyo, Japan, "INK CARTRIDGE FOR PRINTER", 19th January 1996.

Class 4. No. 170717, Hindustan Sanitaryware & Industries Ltd., an Indian company of Bahadurgarh 124507, Haryana, India, "WASH BASIN SOLA WITH PEDESTAL", 12th February 1996

Class 4. No. 170718, Hindustan Sanitaryware & Industries Ltd., an Indian company of Bahadurgarh 124507, Haryana, India, "WASH BASIN MICHELANGELO WITH PEDESTAL" 12th February 1996.

Class 4. Nos. 171196 to 171200, Mulder India Private Ltd., of 12 Race Course Road, Bangalore-560001, Karnataka, India, an Indian company, "CERAMIC TILE", 26th April 1996.

Class 10. Nos. 170398 to 170402, Nikhil Footwear Ltd., G-11, Udyog Nagar, Delhi, India, "SOLE OF FOOTWEAR", 13th December 1995.

Class 10. Nos. 171724 & 171725, API POLYMERS (INDIA) LTD., J. 17, Udyog Nagar, New Delhi 110041, India, An Indian Company, "SHOE SOLE", 8th July 1996.

Class 12. Nos. 170144 & 170145, Taurus Merchandising Pvt. Ltd., an Indian Company of E-15 South Extension Part II, New Delhi-110049, India, "QUILT/BEDSPREAD", 9th November 1995.

T. R. SUBRAMANIAN

Controller General of Patents, Design and Trade Marks

प्रबन्धक, भारत सरकार मन्त्रालय, फरीदाबाद द्वारा मन्त्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1996

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